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## INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP02/08475

## A. CLASSIFICATION OF SUBJECT MATTER

Int.Cl<sup>7</sup> A61B8/06

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Int.Cl<sup>7</sup> A61B8/00-8/15

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Jitsuyo Shinan Koho	1922-1996	Toroku Jitsuyo Shinan Koho	1994-2002
Kokai Jitsuyo Shinan Koho	1971-2002	Jitsuyo Shinan Toroku Koho	1996-2002

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X Y	JP 2001-70304 A (Toshiba Corp.), 21 March, 2001 (21.03.01), Full text; all drawings (Family: none)	1 2, 3
Y A	WO 00/30541 A1 (Acuson Corp.), 02 June, 2000 (02.06.00), Full text; all drawings & JP 2002-530143 A	2 1, 3
Y A	WO 98/47533 A1 (Nycomed Imaging A.S.), 29 October, 1998 (29.10.98), Full text; all drawings & US 6315730 B1 & EP 977594 A1 & JP 2001-523997 A	3 1, 2

☒ Further documents are listed in the continuation of Box C.☐ See patent family annex.

\* Special categories of cited documents:

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"P" document published prior to the international filing date but later than the priority date claimed

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"&amp;" document member of the same patent family

Date of the actual completion of the international search  
26 November, 2002 (26.11.02)Date of mailing of the international search report  
10 December, 2002 (10.12.02)Name and mailing address of the ISA/  
Japanese Patent Office

Authorized officer

Facsimile No.

Telephone No.

# INTERNATIONAL SEARCH REPORT

International application No.

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## Continuation of Box No.II of continuation of first sheet(1)

contrast medium according to the accumulated addition or mean value of ultrasonic echoes obtained by the scan performed the plurality of times.

The invention of claims 7 to 9 relates to an ultrasonograph having an inverse logarithm converter for performing inverse logarithm conversion to at least one of the output signals of a signal processing device and an image generation device.

The invention of claims 10 to 12 relates to an ultrasonograph having a signal generation device for generating a first signal as an ultrasonic echo subjected to detection processing and logarithm conversion processing and a second signal as the ultrasonic echo subjected to detection processing.

The invention of claims 13 to 16 relates to an ultrasonograph having measurement processor for creating a time change graph of concentration of contrast medium according to the ultrasonic echo and correcting the mean transit time of the blood flow obtained from the time change graph according to the measurement position depth.